#12
Lundo
1645
5/1/0

RAW SEQUENCE LISTING   DATE: 05/01/2001
PATENT APPLICATION: US/09/446,677A   TIME: 18:04:15

Input Set : A:\Birkell.txt
Output Set: N:\CRF3\05012001\I446677A.raw

Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING
```
  3 (1) GENERAL INFORMATION:
  5     (i) APPLICANT: BIRKELUND, Svend
  6                    CHRISTIANSEN, Gunna
  7                    HEBSGAARD PEDERSEN, Anna-Sofie
  8                    MYGIND, Per
  9                    KNUDSEN, Katrine
 11    (ii) TITLE OF INVENTION: SURFACE EXPOSED PROTEINS FROM CHLAMYDIA
 12                             PNEUMONIAE
 14   (iii) NUMBER OF SEQUENCES: 30
 16    (iv) CORRESPONDENCE ADDRESS:
 17            (A) ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.
 18            (B) STREET: 624 Ninth Street, N.W., Suite 300
 19            (C) CITY: Washington
 20            (D) STATE: D.C.
 21            (E) COUNTRY: USA
 22            (F) ZIP: 20001
 24     (v) COMPUTER READABLE FORM:
 25            (A) MEDIUM TYPE: Floppy disk
 26            (B) COMPUTER: IBM PC compatible
 27            (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 28            (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 30    (vi) CURRENT APPLICATION DATA:
C--> 31        (A) APPLICATION NUMBER: US/09/446,677A
C--> 32        (B) FILING DATE: 24-Mar-2000
C--> 38   (vii) PRIOR APPLICATION DATA:
 35            (A) APPLICATION NUMBER: PCT/DK98/00266
 36            (B) FILING DATE: 19-JUN-1998
 39            (A) APPLICATION NUMBER: DK 0744/97
 40            (B) FILING DATE: 23-JUN-1997
 42  (viii) ATTORNEY/AGENT INFORMATION:
 43            (A) NAME: COOPER, Iver P.
 44            (B) REGISTRATION NUMBER: 28,005
 45            (C) REFERENCE/DOCKET NUMBER: BIRKELUND=1
 47    (ix) TELECOMMUNICATION INFORMATION:
 48            (A) TELEPHONE: 202-628-5197
 49            (B) TELEFAX: 202-737-3528
```

ERRORED SEQUENCES

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754 (2) INFORMATION FOR SEQ ID NO: 5:
756     (i) SEQUENCE CHARACTERISTICS:
757            (A) LENGTH: 3052 base pairs
758            (B) TYPE: nucleic acid
759            (C) STRANDEDNESS: single
760            (D) TOPOLOGY: linear
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Number of bases differ:
- 3052 listed
- 3051 shown
- see p. 3

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.762     (ii) MOLECULE TYPE: Genomic DNA
764      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
766 ATGCGATTTT CGCTCTGCGG ATTTCCTCTA GTTTTTTCTT TAACATTGCT CTCAGTCTTC    60
767 GACACTTCTT TGAGTGCTAC TACGATTTCT TTAACCCCAG AAGATAGTTT TCATGGAGAT   120
768 AGTCAGAATG CAGAACGTTC TTATAATGTT CAAGCTGGGG ATGTCTATAG CCTTACTGGT   180
769 GATGTCTCAA TATCTAACGT CGATAACTCT GCATTAAATA AAGCCTGCTT CAATGTGACC   240
770 TCAGGAAGTG TGACGTTCGC AGGAAATCAT CATGGGTTAT ATTTTAATAA TATTTCCTCA   300
771 GGAACTACAA AGGAAGGGGC TGTACTTTGT TGCCAAGATC CTCAAGCAAC GGCACGTTTT   360
772 TCTGGGTTCT CCACGCTCTC TTTTATTCAG AGCCCCGGAG ATATTAAAGA ACAGGGATGT   420
773 CTCTATTCAA AAAATGCACT TATGCTCTTA AACAATTATG TAGTGCGTTT TGAACAAAAC   480
774 CAAAGTAAGA CTAAAGGCGG AGCTATTAGT GGGGCGAATG TTACTATAGT AGGCAACTAC   540
775 GATTCCGTCT CTTTCTATCA GAATGCAGCC ACTTTTGGAG GTGCTATCCA TTCTTCAGGT   600
776 CCCCTACAGA TTGCAGTAAA TCAGGCAGAG ATAAGATTTG CACAAAATAC TGCCAAGAAT   660
777 GGTTCTGGAG GGGCTTTGTA CTCCGATGGT GATATTGATA TTGATCAGAA TGCTTATGTT   720
778 CTATTTCGAG AAAATGAGGC ATTGACTACT GCTATAGGTA AGGGAGGGGC TGTCTGTTGT   780
779 CTTCCCACTT CAGGAAGTAG TACTCCAGTT CCTATTGTGA CTTTCTCTGA CAATAAACAG   840
780 TTAGTCTTTG AAAGAAACCA TTCCATAATG GGTGGCGGAG CCATTTATGC TAGGAAACTT   900
781 AGCATCTCTT CAGGAGGTCC TACTCTATTT ATCAATAATA TATCATATGC AAATTCGCAA   960
782 AATTTAGGTG GAGCTATTGC CATTGATACT GGAGGGGAGA TCAGTTTATC AGCAGAGAAA  1020
783 GGAACAATTA CATTCCAAGG AAACCGGACG AGCTTACCGT TTTTGAATGG CATCCATCTT  1080
784 TTACAAAATG CTAAATTCCT GAAATTACAG GCGAGAAATG GATGCTCTAT AGAATTTTAT  1140
785 GATCCTATTA CTTCTGAAGC AGATGGGTCT ACCCAATTGA ATATCAACGG AGATCCTAAA  1200
786 AATAAAGAGT ACACAGGGAC CATACTCTTT TCTGGAGAAA AGAGTCTAGC AAACGATCCT  1260
787 AGGGATTTTA AATCTACAAT CCCTCAGAAC GTCAACCTGT CTGCAGGATA CTTAGTTATT  1320
788 AAAGAGGGGG CCGAAGTCAC AGTTTCAAAA TTCACGCAGT CTCCAGGATC GCATTTAGTT  1380
789 TTAGATTTAG GAACCAAACT GATAGCCTCT AAGGAAGACA TTGCCATCAC AGGCCTCGCG  1440
790 ATAGATATAG ATAGCTTAAG CTCATCCTCA ACAGCAGCTG TTATTAAAGC AAACACCGCA  1500
791 AATAAACAGA TATCCGTGAC GGACTCTATA GAACTTATCT CGCCTACTGG CAATGCCTAT  1560
792 GAAGATCTCA GAATGAGAAA TTCACAGACG TTCCCTCTGC TCTCTTTAGA GCCTGGAGCC  1620
793 GGGGGTAGTG TGACTGTAAC TGCTGGAGAT TTCCTACCGG TAAGTCCCCA TTATGGTTTT  1680
794 CAAGGCAATT GGAAATTAGC TTGGACAGGA ACTGGAAACA AAGTTGGAGA ATTCTTCTGG  1740
795 GATAAAATAA ATTATAAGCC TAGACCTGAA AAAGAAGGAA ATTTAGTTCC TAATATCTTG  1800
796 TGGGGGAATG CTGTAAATGT CAGATCCTTA ATGCAGGTTC AAGAGACCCA TGCATCGAGC  1860
797 TTACAGACAG ATCGAGGGCT GTGGATCGAT GGAATTGGGA ATTTCTTCCA TGTATCTGCC  1920
798 TCCGAAGACA ATATAAGGTA CCGTCATAAC AGCGGTGGAT ATGTTCTATC TGTAAATAAT  1980
799 GAGATCACAC CTAAGCACTA TACTTCGATG GCATTTTCCC AACTCTTTAG TAGAGACAAG  2040
800 GACTATGCGG TTTCCAACAA CGAATACAGA ATGTATTTAG GATCGTATCT CTATCAATAT  2100
801 ACAACCTCCC TAGGGAATAT TTTCCGTTAT GCTTCGCGTA ACCCTAATGT AAACGTCGGG  2160
802 ATTCTCTCAA GAAGGTTTCT TCAAAATCCT CTTATGATTT TTCATTTTTT GTGTGCTTAT  2220
803 GGTCATGCCA CCAATGATAT GAAAACAGAC TACGCAAATT TCCCTATGGT GAAAAACAGC  2280
804 TGGAGAAACA ATTGTTGGGC TATAGAGTGC GGAGGGAGCA TGCCTCTATT GGTATTTGAG  2340
805 AACGGAAGAC TTTTCCAAGG TGCCATCCCA TTTATGAAAC TACAATTAGT TTATGCTTAT  2400
806 CAGGGAGATT TCAAAGAGAC GACTCGCAGAT GGCCGTAGAT TTAGTAATGG GAGTTTAACA  2460
807 TCGATTTCTG TACCTCTAGG CATACGCTTT GAGAAGCTGG CACTTTCTCA GGATGTACTC  2520
808 TATGACTTTA GTTTCTCCTA TATTCCTGAT ATTTTCCGTA AGGATCCCTC ATGTGAAGCT  2580
809 GCTCTGGTGA TTAGCGGAGA CTCCTGGCTT GTTCCGGCAG CACACGTATC AAGACATGCT  2640
810 TTTGTAGGGA GTGGAACGGG TCGGTATCAC TTTAACGACT ATACTGAGCT CTTATGTCGA  2700
811 GGAAGTATAG AATGCCGCCC CCATGCTAGG AATTATAATA TAAACTGTGG AAGCAAATTT  2760
812 CGTTTTTAGA AGGTTTCCAT TGCCTGTGTG GTTCCGGATC TTAACTATAA ATCCTGGACT  2820
```

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```
        813 ATGGATCATA GGCATTGGGT TTCTCGAACT TGTGTGGAGA ATAACGACAT TTTATATGCA   2880
        814 TAACGGAATA CTCGTATCAC CTCAGCCCCT AGAGACATTC TTTAGGGGTT CTTTATTTGT   2940
        815 CTAAACTTCG TATTTTATCG AGAATCCTTT ACGTTCTTGG TTTGCTTGTC TCCGAGGAGT   3000
E--> 816 TCTCTAACGA ATCATAGGGA TTCCAGGGTT CTGTTCCTTG AGTCCTTTGG A   ——————>  (3051)
```

VERIFICATION SUMMARY   DATE: 05/01/2001
PATENT APPLICATION: US/09/446,677A   TIME: 18:04:16

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L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:38 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]
L:816 M:204 E: No. of Bases differ, LENGTH:Input:3052 Counted:3051 SEQ:5
L:2475 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]